Fusion Research Amazon Fire TV Driver

for URC

This driver provides TCP control of an Amazon Fire TV (Box or Stick).

Supported URC interfaces: TRC-1080, TKP-7000, Tablet and Phone.

What the driver can and cannot do

The driver provides the following functions:

      Cursor Up, Down, Left and Right
      Select and Cancel
      Rewind and Fast Forward (momentary, for some applications)
      Play/Pause (toggle)
      Home and Menu

      Feedback on FireTV Activity (from polling)

The driver cannot provide "voice search" of the Fire TV.
The driver should not be used to play games on the FireTV.
The driver cannot perform press and hold operations (necessary for Rewind and Fast Forward in some apps)

Driver Licensing

We recommend installing the driver on your job's main (most powerful or central) controller. This driver is licensed on a system controller basis. This means that the license you purchase allows you to use any number of instances (or copies) of the driver on a single controller. If you need to put the driver on more than one controller, you will need a license for each controller.

Note: Each Fire TV will require a seperate instance of the driver, but not a seperate license if all instances are on the same controller.

Please read this entire document before you begin to use the driver.

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Step 1: Configuring the Fire TV

Allowing the FireTV to accept commands

Your FireTV must be told it will be controlled by a trusted device in your network. This requires "ADB Debugging" to be turned on (or enabled).

Required Action : Turn on ADB Debugging

On your FireTV go to Settings / System / Developer Options. Click the ON/Off button for ADB Debugging to turn it on. You know it's on when the button is blue and reads "ON".

Placing the FireTV on your Network

Your control system must be able to reliably communicate with your FireTV. For this to happen, your FireTV will need to have a known IP address that does not change. How you acomplish this depends on your FireTV model and network capabilities.

FireTV Box (original)

You can set the FireTV's wired network interface to use a static IP address.
This is done in the FireTV's Settings (System / Network).

You can assign a DHCP lease to your FireTV.

FireTV Stick

Because the FireTV Stick only supports Wifi, you will need to assign a DHCP lease to your FireTV.

Recommended Action : DHCP Lease

We recommend you assign a DHCP lease to your FireTV for all interfaces it supports (Wired and Wifi). Doing this ensures the FireTV will work properly even if the unit is reset to factory defaults.

The FireTV's network MAC addresses are found in its Settings (System / About / Network).

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Step 2: Configuring the Driver

Import the driver into Accelerator.

In Step 4 (Add Other Devices) select your (My) database, then IP Database. Choose the DVD category and look for the brand FUSION RESEARCH. You can then add the AMAZON FIRE TV driver to your project.

In Step 6 (Network Setup) look at the "Non URC Devices" and choose your Amacon Fire TV. Enter the IP address of the fire TV. You do NOT need to enter a port as the port setting here is not used.

In Step 11 (Two Way Module Setup) select the Amazon Fire TV driver and enter your license key in the System Parameter Information. Make sure you copy the key exactly, including the dashes.

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Step 3: Licensing the Driver

You must enter a License Key into the driver's System Parameter Information in Accelerator (Step 11) to activate the driver.

You must purchase a License Key from Fusion Research (http://www.fusionrd.com).

Notice: Your License Key is valuable. Please retain it for future reference. Do not lose your License Key as a new one cannot be generated and an old one cannot be "looked up".

Notice: The License Key can only be used on a single controller and after installed, it cannot be used on any other controller, so be certain that you are installing and licensing the driver on the proper controller.

Notice: To activate your license, your controller must be on the Internet.

Enter your License Key (copy and paste to reduce transcription errors) into the driver's System Parameter Information. When the driver starts it will try to redeem the key. If there's an issue with the driver it will be reported in the user interface.

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Step 4: Testing the Driver

Please test the driver on all interfaces and become familiar with it's operation before using it on a real job.

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Troubleshooting

Licensing

When starting, the driver will reach out to the Internet to validate its license key. If there is a license issue, it will be reported in the user interface.

Control

If you see "Connected: False" reported in the GUI, do the following:
- Verify your FireTV leases in your DHCP server.
- Check your FireTV's IP Address.
- Verify the driver has the right IP Address for the FireTV.

If you see " Controlling: False" reported in the GUI, do the following:
- Verify "ADB debugging" is turned on in Settings / System / Developer Options.

If there are no alerts in the GUI, but you have no control do the following:
- Verify your License Key has been accepted.

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Driver Settings

There are no driver settings.

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Versions

Version 15.1.30.0 (January 2015) - Initial Release
Version 15.12.29.0 (December 2015) - Update for 4K compatibility